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MAY 11 2007

Amendments to the Claims

Please make the following amendments to the claims:

1. (Currently amended) A process for ~~combusting~~ combustion of a liquid Fischer-Tropsch derived hydrocarbon fuel, ~~the process wherein the following steps are performed comprising:~~
 - (a) obtaining a droplet mixture comprising of liquid hydrocarbon droplets of the liquid Fischer-Tropsch derived hydrocarbon fuel in an oxygen containing gaseous phase[[r]]; ~~subjecting the droplet mixture to a cool flame under evaporation conditions effective to produce evaporating the liquid hydrocarbon droplets to obtaining an evaporated gaseous mixture comprising oxygen and hydrocarbons, the cool flame having a temperature of between 300 °C. and 480 °C when the pressure is 1 bar; and,~~
 - (c) combusting completely of the evaporated gaseous mixture obtained in step (b) under combustion conditions effective to produce a heat of combustion.
2. (Currently amended) The process of claim 1, wherein step (a) comprises: ~~is performed by atomization of~~ atomizing the liquid Fischer-Tropsch derived hydrocarbon fuel by means of a spray nozzle to produce atomized fuel; and, ~~subsequently mixing the atomized fuel with air.~~
3. (Canceled)
4. (Currently amended) The process of claim 1, wherein ~~step~~ the combustion conditions comprise combustion ~~(e) is performed in a porous material.~~
5. (Currently amended) The process of claim 4, further comprising:
 - (d) producing steam from the heat of combustion ~~from step (e);~~
 - (e) super heating the steam; and,
 - (f) powering a piston or expansion engine with the superheated steam.
6. (Currently amended) The process of claim 1, wherein ~~step (e) is performed~~ the combustion conditions comprise combustion at a porous surface to produce radiant heat.

7. (Currently amended) The process of claim 6, further comprising heating ~~space~~space with the radiant heat ~~at the porous surface~~.
8. (Currently amended) The process of ~~claims~~claim 1, wherein ~~step (e)~~ further ~~comprises~~comprising aerodynamically stabilizing the flame.
9. (Currently amended) The process of ~~claims~~claim 1, wherein the liquid Fischer-Tropsch derived hydrocarbon fuel comprises a Fischer-Tropsch product comprising more than 80 wt % iso and normal paraffins.
10. (Currently amended) The process of claim 9, wherein the liquid Fischer-Tropsch derived hydrocarbon fuel comprises more than 80 wt % of the Fischer-Tropsch product.
11. (Currently amended) The process of ~~claims~~claim 1, wherein the combustion conditions do not comprise fuel does not contain a metal based combustion improver and wherein in ~~step (e)~~ the combustion conditions comprise the presence of a flame detector is present of the ionization sensor type.
12. (New) The process of claim 1 further comprising:
 - (d) performing one or more procedure selected from the group consisting of heating water by indirect heat exchange of the heat of combustion in one or more boiler and heating space directly with the heat of combustion.
13. (New) The process of claim 1 wherein the liquid Fischer-Tropsch derived hydrocarbon fuel comprises one or more fraction of the middle distillate fuel range.
14. (New) The process of claim 13 wherein larger than 90 wt.% of the liquid Fischer-Tropsch derived hydrocarbon fuel boils between 160 °C and 400 °C.
15. (New) A process for combusting a liquid Fischer-Tropsch derived hydrocarbon fuel, the process comprising:
 - (a) obtaining a droplet mixture comprising droplets of the liquid Fischer-Tropsch derived hydrocarbon fuel in an oxygen containing gaseous phase;
 - (b) subjecting the droplet mixture to a cool flame under evaporation conditions effective to produce an evaporated gaseous mixture comprising oxygen and hydrocarbons, the cool flame having a

- temperature of between 300 °C. and 480 °C when the pressure is 1 bar; and,
- (c) completely combusting the evaporated gaseous mixture under combustion conditions effective to produce a heat of combustion.
16. (New) The process of claim 15 further comprising:
- (d) performing one or more procedure selected from the group consisting of heating water by indirect heat exchange of the heat of combustion in one or more boiler and heating space directly with the heat of combustion.
17. (New) The process of claim 15, further comprising:
- (d) producing steam from the heat of combustion;
 - (e) super heating the steam; and,
 - (f) powering a piston or expansion engine with the superheated steam.
18. (New) A process for combusting a liquid Fischer-Tropsch derived hydrocarbon fuel, the process comprising:
- (a) subjecting the liquid Fischer-Tropsch derived hydrocarbon fuel to a cool flame under evaporation conditions effective to produce an evaporated gaseous mixture comprising oxygen and hydrocarbons, the cool flame having a temperature of between 300 °C. and 480 °C when the pressure is 1 bar; and,
 - (b) combusting the evaporated gaseous mixture under combustion conditions effective to produce a heat of combustion.
19. (New) The process of claim 18 wherein (a) comprises:
- (i) subjecting the liquid Fischer-Tropsch derived hydrocarbon fuel to the cool flame, producing an evaporated gaseous fuel; and,
 - (ii) mixing the evaporated gaseous fuel and oxygen to form the evaporated gaseous mixture.
20. (New) The process of claim 18 wherein the combusting comprises completely combusting the evaporated gaseous mixture.
21. (New) The process of claim 18 further comprising:

- (c) performing one or more procedure selected from the group consisting of heating water by indirect heat exchange of the heat of combustion in one or more boiler and heating space directly with the heat of combustion.
22. (New) The method of claim 20 wherein the procedure comprises heating space directly with the heat of combustion.
23. (New) The process of claim 18, wherein the combustion conditions comprise combustion in a porous material.
24. (New) The process of claim 23 wherein, in the porous material, the gaseous mixture travels through a preheating zone wherein flame propagation is suppressed and thereafter to a combustion zone wherein flame propagation occurs.
25. (New) The process of claim 18, further comprising:
- (d) producing steam from the heat of combustion;
 - (e) super heating the steam; and,
 - (f) powering a piston or expansion engine with the superheated steam.
26. (New) The process of claim 18, wherein the liquid Fischer-Tropsch derived hydrocarbon fuel comprises a Fischer-Tropsch product comprising more than 80 wt % iso and normal paraffins.
27. (New) The process of claim 26, wherein the liquid Fischer-Tropsch derived hydrocarbon fuel comprises more than 80 wt % of the Fischer-Tropsch product.
28. (New) The process of claim 18, wherein the combustion conditions do not comprise a metal based combustion improver and wherein the combustion conditions comprise the presence of a flame detector of the ionization sensor type.